WHAT IS CLAIMED IS:

1. A phenyloxyaniline derivative represented by formula (1):

wherein X^1 and X^2 are same or different and each is a hydrogen atom or a halogen atom; R^1 and R^2 are same or different and each is a hydrogen atom, an alkyl group having 1 to 10 carbon(s) or a halogen-substituted alkyl group having 1 to 10 carbon(s); and R^3 is a halogen-substituted alkyl group having 1 to 5 carbon(s), or a radioisotope thereof.

2. A phenyloxyaniline derivative represented by
formula (2):

$$X^{1} \xrightarrow{R^{1}} OR^{2}$$

$$C=0$$

$$OR^{3}$$

$$OR^{3}$$

$$OR^{3}$$

$$OR^{3}$$

wherein X^1 is a hydrogen atom or a halogen atom; R^1 and R^2 are same or different and each is a hydrogen atom, an alkyl group having 1 to 10 carbon(s) or a halogen-substituted alkyl group having 1 to 10 carbon(s); and R^3 is a halogen-substituted alkyl group having 1 to 5 carbon(s)), or a radioisotope thereof.

- 3. The phenyloxyaniline derivative or a radioisotope thereof according to claim 1 or 2, wherein the halogen atom is a fluorine atom, an iodine atom or a bromine atom.
- 4. A use of the phenyloxyaniline derivative or a radioisotope thereof described in any of claims 1 to 3 as a peripheral benzodiazepine receptor labeling ligand.